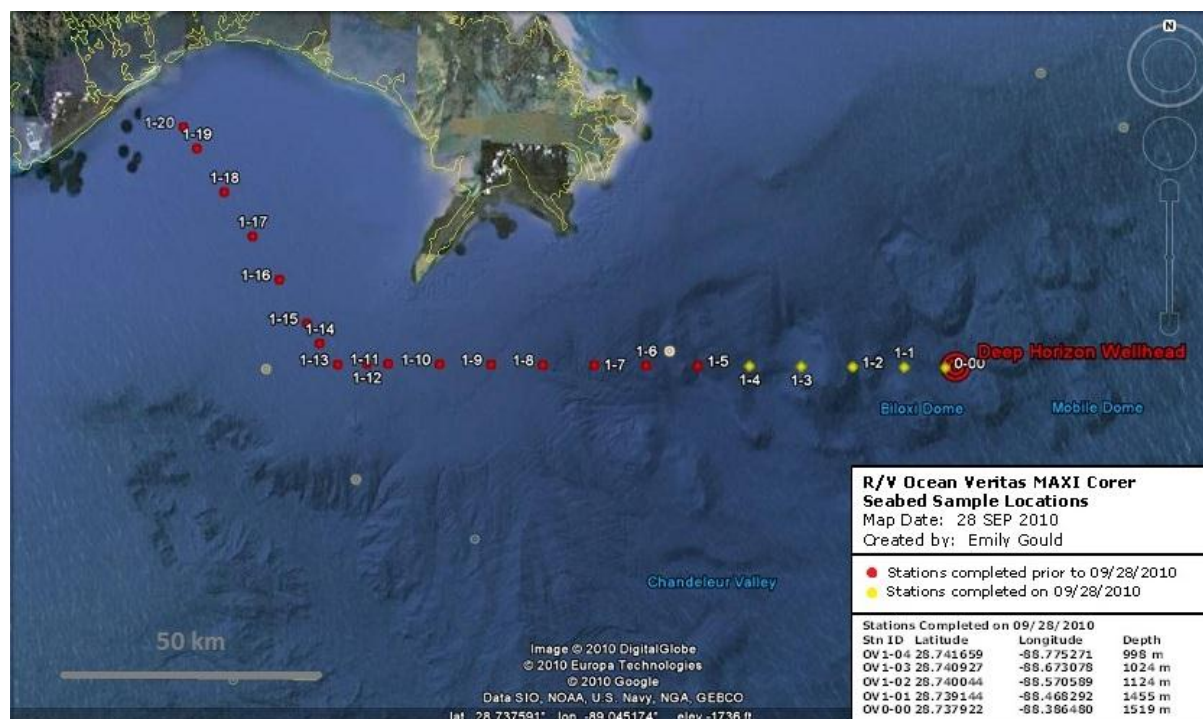


<i>Seabed Sampling and Baited Camera Operations</i>	
Vessel	R/V Ocean Veritas
Summary Report Number	04
Operating equipment	MAXI Corer (8 core unit)
Date	28 September 2010
Completed casts (12 hr)	5
Report compiled by	Brian Critchley/Emily Gould

### Seabed Sampling Locations



All cores were processed and stored in accordance with SOPOV01. GC/MS and Microtox™ toxicology testing was planned to be conducted offshore, however outstanding supplies meant that this was not possible. Samples were prepared and stored for hydrocarbon, trace metal, BTEX, grainsize, total inorganic carbon, total organic carbon, meiofauna and macrofauna testing and analysis onshore.

The core tube is 60 cm in length with an internal diameter of 10 cm. Typical sample recovery from the core is as follows:

Supernatant water: length = 15 cm, volume = 1178 cm<sup>3</sup>

Sediment: length = 45 cm, volume = 3534 cm<sup>3</sup>

## Station 1-04

Lat: 28.741659

Long: -88.775271

Cores recovered: 8 out of 8

### Supernatant water

Recovery: 33 cm

Visible contamination: None

Olfactible contamination: None

### Sediment

Recovery: 27 cm

Visible contamination: None

Olfactible contamination: None

*Description* Dark olive brown fluidized sediment to approximately 1 cm depth. Olive grey, very soft, homogenous silty clay, becoming soft to firm.

Biota: Worms.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



### Station 1-03

Lat: 28.740927

Long: -88.673078

Cores recovered: 8 out of 8

#### Supernatant water

Recovery: 19 cm

Visible contamination: None

Olfactible contamination: None

#### Sediment

Recovery: 41 cm

Visible contamination: None

Olfactible contamination: None

Description: Dark olive brown fluidized sediment to approximately 1 cm depth. Olive grey, soft to firm, homogenous silty clay.

Biota: Worms.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



## Station 1-02

Lat: 28.740044

Long: -88.570589

Cores recovered: 8 out of 8

### Supernatant water

Recovery: 20 cm

Visible contamination: None

Olfactible contamination: None

### Sediment

Recovery: 40 cm

Visible contamination: None

Olfactible contamination: None

Description: Dark olive brown fluidized sediment to approximately 1 cm depth. Olive grey, soft to firm, homogenous silty clay.

Biota: Worms.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



## Station 1-01

Lat: 28.739144

Long: -88.468292

Cores recovered: 8 out of 8

### Supernatant water

Recovery: 25 cm

Visible contamination: None

Olfactible contamination: None

### Sediment

Recovery: 35 cm

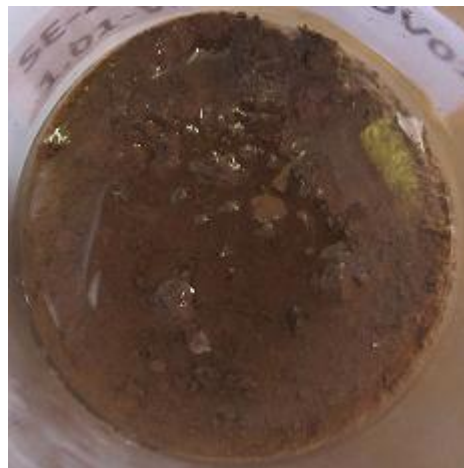
Visible contamination: None

Olfactible contamination: None

Description: Dark olive brown fluidized sediment to approximately 2 cm depth. Olive grey, very soft, homogenous silty clay, becoming soft to firm.

Biota: Shark scoot.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



## Station 0-00

Lat: 28.737922

Long: -88.386480

Cores recovered: 8 out of 8

### Supernatant water

Recovery: 21 cm

Visible contamination: None

Olfactible contamination: None

### Sediment

Recovery: 39 cm

Visible contamination: None

Olfactible contamination: None

Description: Dark olive brown fluidized sediment to approximately 3 cm depth. Olive, very soft, homogenous silty clay, becoming soft.

Biota: Worm tubes visible.

Top 3 cm removed for GC/MS analysis prior to core extrusion.

